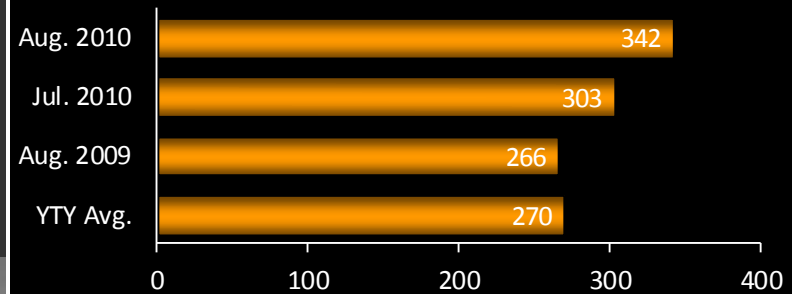# MISSISSIPPI

TRANSPORTATION MANAGEMENT CENTER

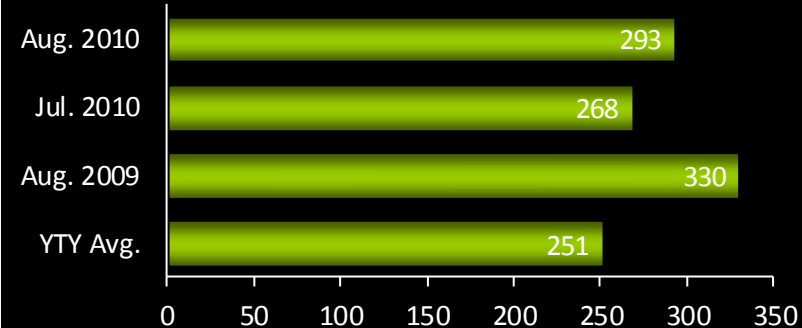### August 2010 Performance Measures

MONTHLY HIGHLIGHT

A Tropical Depression approached the gulf coast during the week of August 8th and as a result we experienced increased web traffic during the latter half of that week. We continue to experience steady growth in the number of our traffic alert subscribers.
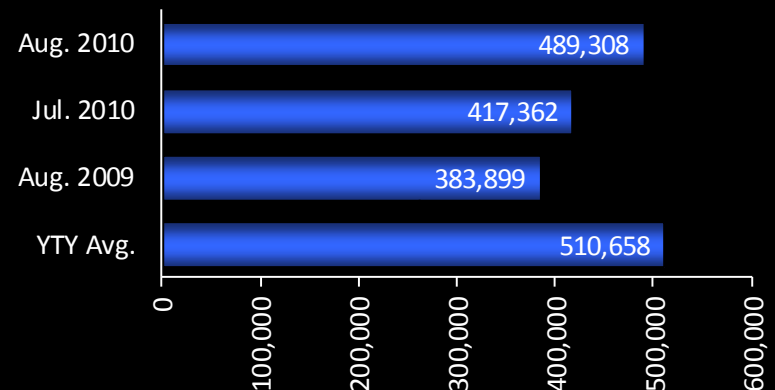
Total Incidents

Period	Value
Aug. 2010	342
Jul. 2010	303
Aug. 2009	266
YTY Avg.	270

Total Alerts

Period	Value
Aug. 2010	293
Jul. 2010	268
Aug. 2009	330
YTY Avg.	251

Total Web Site Page Views

Period	Value
Aug. 2010	489,308
Jul. 2010	417,362
Aug. 2009	383,899
YTY Avg.	510,658

TMC Managed Incidents Per Mile

KEY
- 0.0 – 1.0 incidents per mile
- 1.1 – 5.0 incidents per mile
- 5.1 – 8.0 incidents per mile
- 8.1 + incidents per mile

Incident Hot Spots

Rank	Location (Direction Freeway @ Cross Street)	# of Incidents
1	SB I-55 @ Fortification St.	23
2	NB I-55 @ Fortification St	19
3	NB I-55 @ Savannah St	13
4	WB I-20 @ Gallatin St.	12
5	SB I-55 @ Hwy 25 / Lakeland Dr	11
6	NB I-55 @ Siwell Rd	10
7	NB I-55 @ Woodrow Wilson Ave	10
8	SB I-220 @ Hwy 49 / Medgar Evers	10
9	NB I-220 @ Hwy 49/Medgar Evers Blvd	9
10	SB I-55 @ Byram / Siwell Road	9

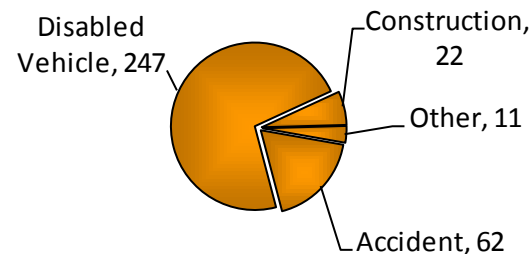Note: Highlighted locations are mapped based on # of Incidents.

Average Incident Timeline

← Average Response Times

12.7 min.   14.2 min.   16.1 min.   32.1 min.

0.0   5.0   10.0   15.0   20.0   25.0   30.0   35.0   40.0   45.0   50.0

Average Clear Times →

30.6 min.   34.8 min.   44.0 min.   45.8 min.

Incidents by Source Detected

Aug. 2010
Jul. 2010
Aug. 2009
YTY Avg.

- CCTV
- 911 Dispatch
- MDOT
- Other

0   100   200   300   400

Number of Incidents

Incidents by Type

- Disabled Vehicle, 247
- Construction, 22
- Other, 11
- Accident, 62
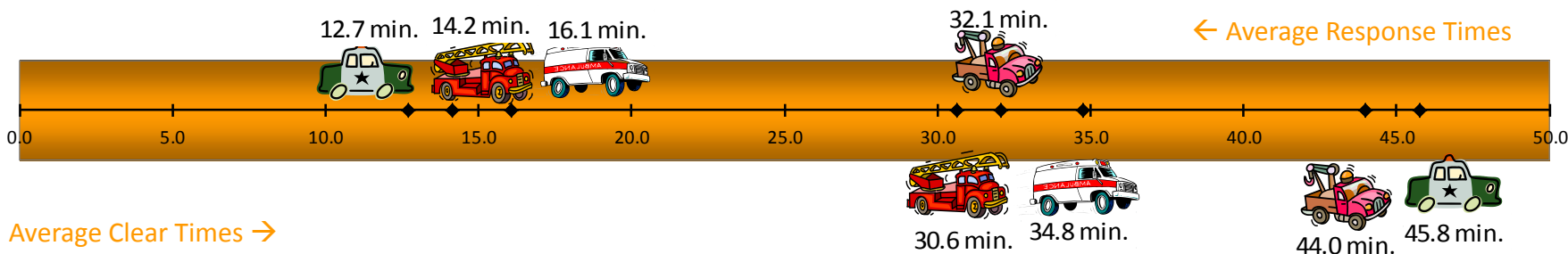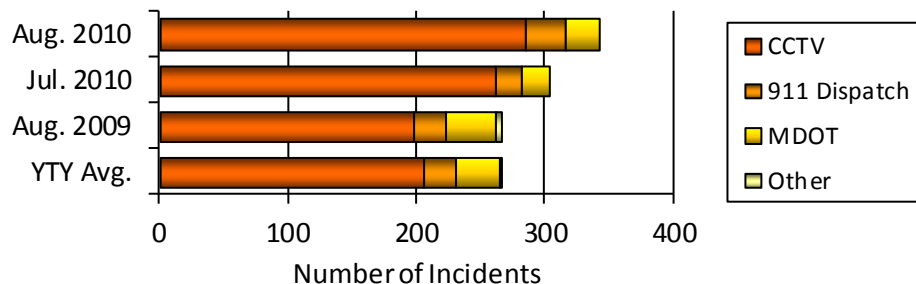
## What is an Alert?

The Mississippi Transportation Management Center has the ability to send notifications in the form of e-mail or text message to registered users regarding incidents or events that affect operations along the freeways. These notifications are known as "Alerts." To receive these alerts, go to www.mstraffic.com and click on "Register."
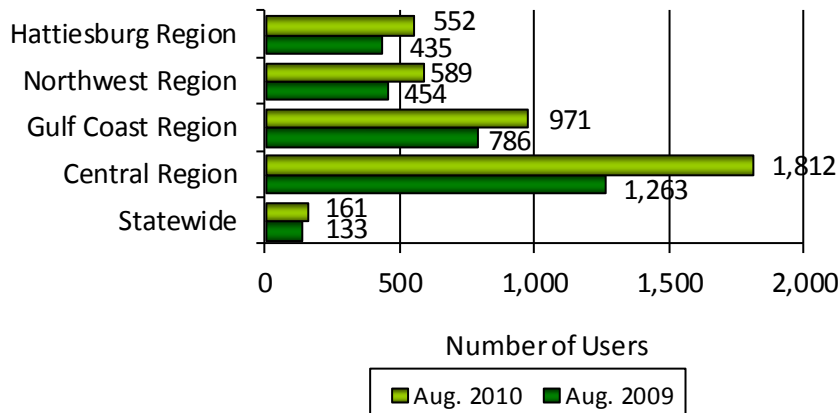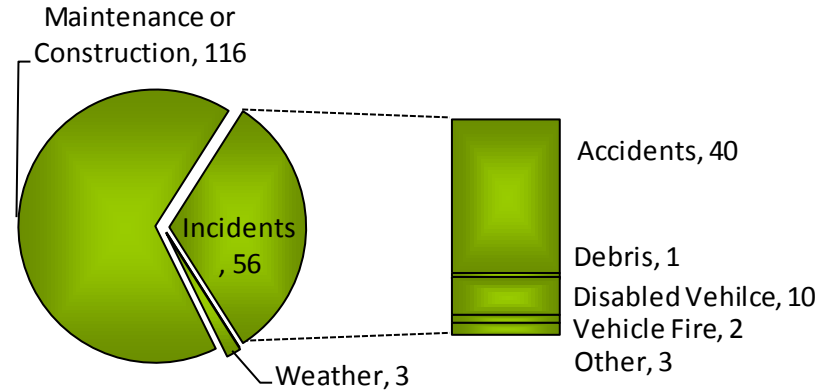
Total Registered Alert Users

Period	Users
Aug. 2010	4,114
Jul. 2010	3,975
Aug. 2009	2,439
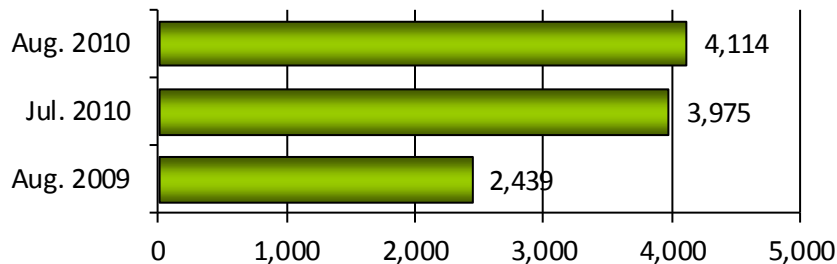
This month 189 new users registered to receive alerts.

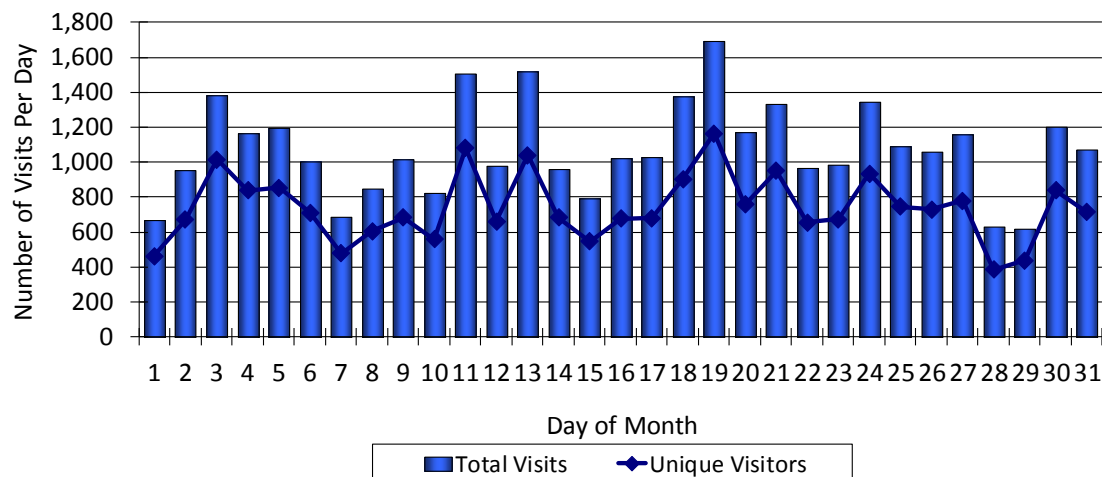This month 30 existing users unregistered.

Registered Users by Location

Region	Aug. 2010	Aug. 2009
Hattiesburg Region	552	435
Northwest Region	589	454
Gulf Coast Region	971	786
Central Region	1,812	1,263
Statewide	161	133

Number of Users

Alerts by Type

Maintenance or Construction, 116
Incidents, 56
Weather, 3

Accidents, 40
Debris, 1
Disabled Vehilce, 10
Vehicle Fire, 2
Other, 3

Registered Users by Alert Type

Type	Users
Maintenance or Construction	3,172
Weather	3,373
Special Events	3,226
Incidents	3,382

Web Site Visits per Day

Day of Month

- Total Visits
- Unique Visitors

Average Page Views Per Visit
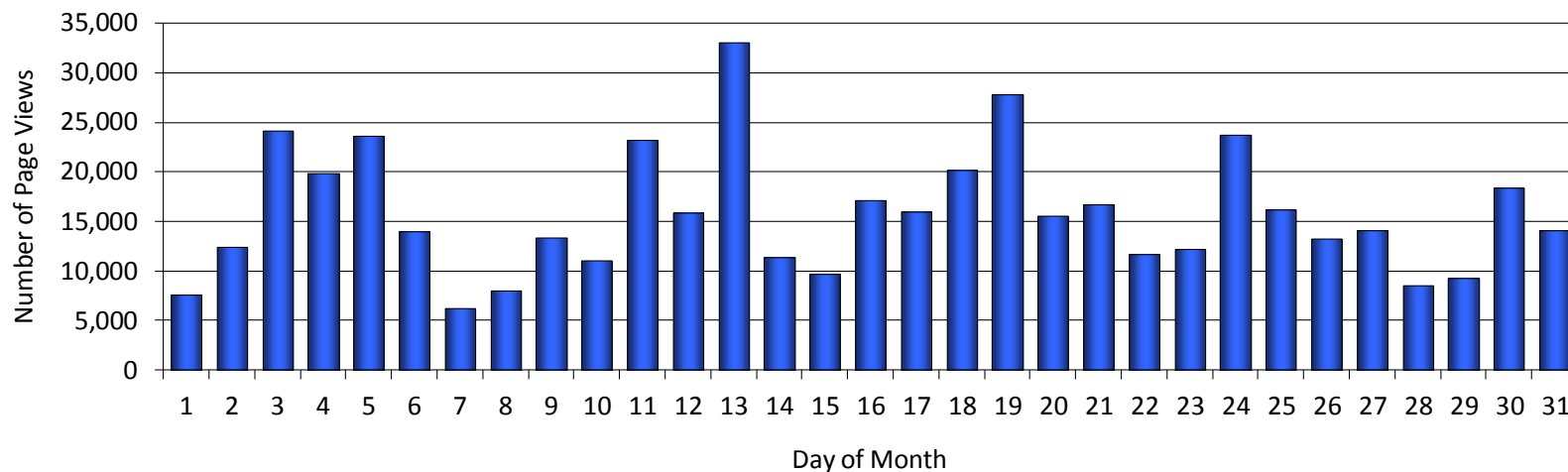

Aug. 2010 · Jul. 2010 · Aug. 2009 · YTY Avg.

0.0   5.0   10.0   15.0
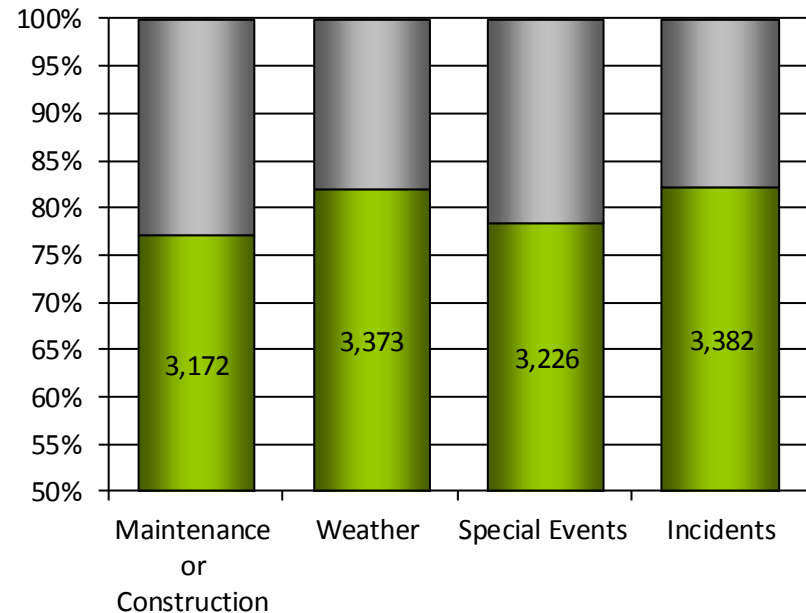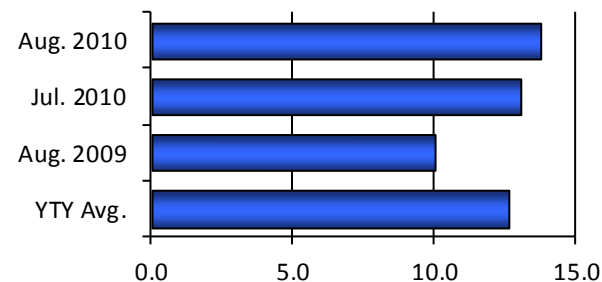
Average Stay Length Per Visit

This month, the average stay length per visit was 17.5 minutes.

Web Site Page Views per Day

Day of Month

A Tropical Depression increased web traffic during the week of August 8th.

data key

COVER (page 1)

Monthly Highlight

Description: The cover page provides a general summary of the month. The information portrayed in the "Monthly Highlight" section changes from month to month.

Data Source: TMC Operator's and Manager's Logs.

Total Incidents

Description: This graph compares the total number of incidents managed by the control room in current month, previous month, current month last year, and the average monthly total over Year to Year (YTY) which includes the previous twelve months of data.

Data Source: Incident Tracking Database

Total Alerts

Description: This graph compares the total number of alerts sent in the current month, previous month, current month last year, and the average monthly total over Year to Year (YTY) which includes the previous twelve months of data.

Data Source: MS Traffic User Stats Monthly Report

Total Web Site Page Views

Description: This graph compares the total number of pages that were viewed on the www.mstraffic.com Web site in the current month, the previous month, the current month last year, and the average monthly total over the last twelve months. A page view is counted every time a visitor opens a page within the www.mstraffic.com Web site.

Data Source: Web Log Analyzer Monthly Report

INCIDENTS (page 2)

TMC Managed Incidents Per Mile

Description: This map shows the density of incidents that occur along MDOT monitored roadways in the greater Jackson area. The number of incidents is shown as a density to provide a consistent measure between roadways. The roadways are divided into segments where the major roadways intersect.

Data Source: Incident Tracking Database

Incident Hot Spots

Description: This table lists the top ten locations (assigned by the nearest cross street) where the greatest number of incidents occurred per month. The top incident hot spots are shown on the map inset.

Data Source: Incident Tracking Database

Incident Average Duration

Description: This graphic shows the average response and clear times for incident response vehicles for a small sampling of incidents. The response and clear times for police, fire, ambulance, tow, and MDOT vehicles are shown. Response Times are the time of arrival to the scene minus the time of incident detection by the TMC. Clear Times are the time of incident clearance minus the time of responder arrival to the scene. Response Times greater than 120 minutes and Clear Times greater than 180 minutes are filtered from the data to remove extreme cases that skew the data.

Data Source: Incident Tracking Database

Incidents by Source Detected

Description: This graph shows the number of incidents that were found by closed-circuit (CCTV) cameras, 911 Dispatch (MS Highway Patrol, County Sheriff's Office, Local Police & Fire, and TMC), MDOT, or other sources (Vehicle Fire, Debris, HAZMAT, AMBER Alerts, Weather, and Congestion). Totals for the current month, the previous month, the current month last year, and the monthly average over Year to Year (YTY) which includes the previous twelve months of data.

Data Source: Incident Tracking Database

Incidents by Type

Description: This chart shows the distribution of incidents by type for the current month. Construction, Disabled Vehicles, and Accidents account for the majority of all incidents. "Other" sources include Vehicle Fire, Debris, HAZMAT, AMBER Alerts, Weather, and Congestion type incidents. The number of secondary incidents will appear next to the chart if not less than 1% of the total number of incidents. A secondary incident is an incident that occurred as a result of another incident.

Data Source: Incident Tracking Database

data key

ALERTS (page 3)

Total Registered Users

Description: This graph compares the total number of users that are registered to receive alerts in the current month, the previous month, and the current month last year. The number of users that either registered or unregistered in the current month is also shown in the text below the graph.

Data Source: MS Traffic User Stats Monthly Report

Registered Users by Location

Description: This graph shows the breakdown of registered users based on location. The location refers to the location of the event to which the alert is referring, not the location of the user. The current month and the current month last year are compared.

Data Source: MS Traffic User Stats Monthly Report

Alerts by Type

Description: This graph shows the distribution of alerts by type for the current month. Accident, Incident, and Maintenance or Construction alerts comprise the majority of alerts.

Data Source: MS Traffic User Stats Monthly Report

Registered Users by Alert Type

Description: This graph provides the percentage and total number of registered users that receive maintenance or construction, special event, or incident alerts for the current month.

Data Source: MS Traffic User Stats Monthly Report

WEB SITE (page 4)

Web Site Visits Per Day

Description: This graph shows the total number of visits to the www.mstraffic.com Web site per day for the current month. A "visit" is counted when the Web site is accessed, regardless of the number of pages viewed within the site. The graph also shows the number of unique visitors per day. A unique visitor is identified by the IP address of the computer used to access the Web site. If a unique visitor returns to the Web site within thirty minutes of the original visit, only 1 visit is counted.

Data Source: Web Log Analyzer Monthly Report

Average Page Views Per Visit

Description: This graph shows the average number of pages viewed within the www.mstraffic.com Web site during one visit. The current month, the previous month, the current month last year, and the monthly average over Year to Year (YTY) which includes the previous twelve months of data are compared.

Data Source: Web Log Analyzer Monthly Report

Average Stay Length Per Visit

Description: The average length of time spent on the www.mstraffic.com Web site during each visit, regardless of the number of pages viewed, is discussed here.

Data Source: Web Log Analyzer Monthly Report

Web Site Page Views Per Day

Description: This graph shows the total number of pages viewed within the www.mstraffic.com Web site each day during the current month. The text below the graph explains any unique trends seen in the data throughout the month.

Data Source: Web Log Analyzer Monthly Report